# Iowa Department of Education
# Data Warehouse Project

## Overview

The transformation of the data infrastructure for the Iowa Department of Education (DE), and to a certain degree the education data infrastructure throughout the state, has begun. As of the beginning of January, the DE has entered into a contract with Claraview, Inc., for a data warehouse. The warehouse has a "back end" that will have three sets of data loaded during implementation: Project EASIER, which is student level data; IMS, special education student level data; and Iowa Testing Program student level data. The data warehouse will link all these disparate data together for analysis across these domains of information enabling new and meaningful analysis. On the "front end," different education stakeholders (DE staff, area education agency staff, and local districts) can access data in preformatted reports and more sophisticated analytical tools, dependent on the user's expertise and security clearances.
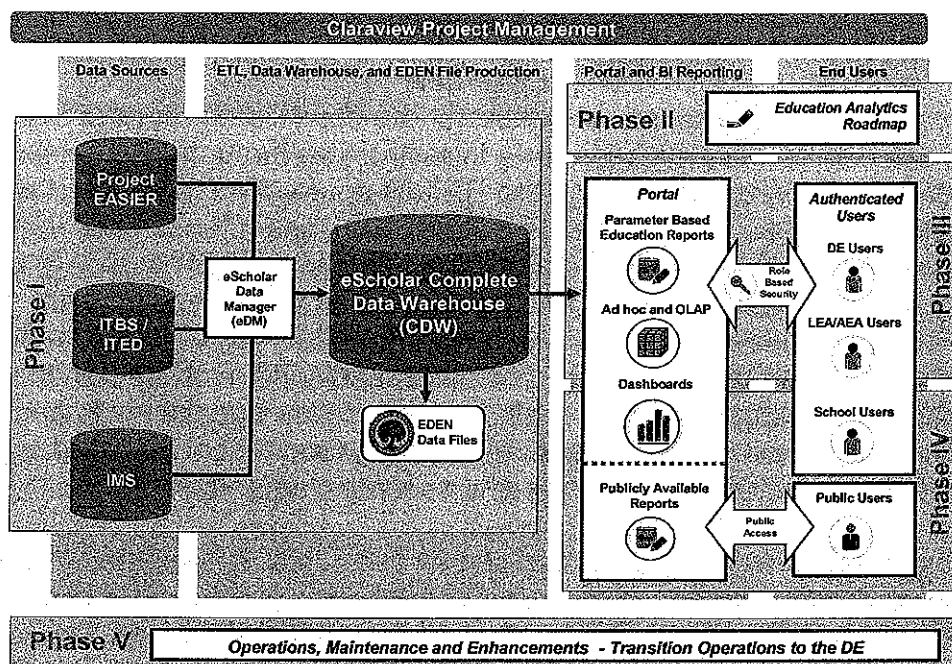
Implementing the data warehouse will take over two years. It is expected that the DE will have the preliminary architecture in place and be ready to move forward engaging stakeholders within three to six months. The DE has received federal funding to support outreach to a wide variety of stakeholders to design the preformatted reports and analysis tools.

## Vision

Provide the Iowa education community consistent and accurate longitudinal information on education outcomes and the analytical tools needed to improve decision making and student success.

## Goals

1. Provide the education community a single repository of combined data from multiple sources on one common system.
2. Provide tools and training in the use of data for benchmarking and longitudinal and comparative analysis.
3. Empower data driven decision making for education stakeholders.
4. Increase confidence in data by defining and implementing processes to improve data consistency, reliability and quality.

## Proposed Timeline

| ID | Task Name | Start | Finish | Duration |
|----|-----------|-------|--------|----------|
| 1 | Project Ramp Up | 1/2/2008 | 2/29/2008 | 8.6w |
| 2 | Phase 1: Data Acquisition and Loading | 2/1/2008 | 7/31/2008 | 26w |
| 3 | Phase 2: Education Analytics & Prototype | 4/15/2008 | 5/30/2008 | 6.6w |
| 4 | Phase 3: Initial Rollout of Education Portal w/ Top Ten Reports | 6/2/2008 | 9/15/2008 | 15.2w |
| 5 | Phase 4: Portal Refinement and Report Expansion | 9/16/2008 | 3/13/2009 | 25.8w |
| 6 | Phase 5: Operations, Maintenance and Enhancements | 3/16/2009 | 12/31/2009 | 41.8w |

## Solution Architecture



## Budget

The DE received $600,000 in initial funding from the legislature for the data warehouse project. The initial implementation will cost the Department $2.9 million. The Department is exploring other avenues for sustained funding.

## Questions

For questions about the Iowa Department of Education data warehouse, please contact Jay Pennington (515-281-4837 or jay.pennington@iowa.gov) or Jim Anderson (515-281-6300 or jim.anderson@iowa.gov).